There are multiple ways to annotate PEGs in SEED. Choose one of the 3 strategies described below to annotate your protein:

(i) Annotating from a PEG page:
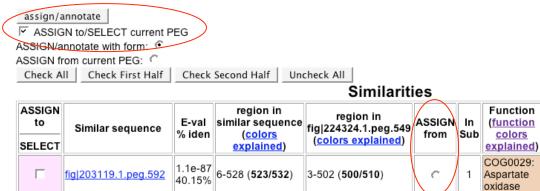   -- click "To Make an Annotation" link
        -- a form will appear:

FIG search

Protein	Organism	Current Function	By Whom
fig|224324.1.peg.549	Aquifex aeolicus VF5	L-aspartate oxidase (EC 1.4.3.16)	master

New Function: [   ]

        -- type new annotation into "New Function" window and press add annotation button (note that to avoid typos, it is better to copy the corresponding functional role from your SS and paste it into this window)
        -- a report is generated in a new window – it is safe to close it

(ii) Annotating from Similarities table:

assign/annotate
☑ ASSIGN to/SELECT current PEG
ASSIGN/annotate with form: ⦿
ASSIGN from current PEG: ○
[Check All] [Check First Half] [Check Second Half] [Uncheck All]

Similarities

ASSIGN to SELECT	Similar sequence	E-val % iden	region in similar sequence (colors explained)	region in fig|224324.1.peg.549 (colors explained)	ASSIGN from	In Sub	Function (function colors explained)	Organism
☐	fig|203119.1.peg.592	1.1e-87 40.15%	6-528 (**523/532**)	3-502 (**500/510**)	○	1	COG0029: Aspartate oxidase	Clostridium thermocellum ATCC 27405
☐	fig|273057.1.peg.901	2.6e-85 40.78%	17-472 (**456/487**)	19-493 (**475/510**)	○	9	L-aspartate oxidase (EC 1.4.3.16)	Sulfolobus solfataricus P2

        -- click on a round check-box in the **ASSIGN from** column near a homolog with specific annotation you want to propagate
        -- make sure "**ASSIGN to/SELECT current PEG**" check-box right above the SIMs table is checked
        -- press assign/annotate button
        -- the current PEG is re-annotated, a report page is generated in a new window - it is safe to close it

(iii) Annotating from a Commentary page:

Description By Set

Set	Organism	Occ	UniProt	UniProt Function	PEG	SubSys	Ln	Function
1	Aqu.aeo.VF	1	uni|O66973	☐ L-aspartate oxidase (EC 1.4.3.16)	☐ fig|224324.1.peg.549	9	510	☐ L-aspartate oxidase (EC 1.4.3.16)
1	Sul.sol.P2	1	uni|Q97ZC5	☐ L-aspartate oxidase (EC 1.4.3.16)	☐ fig|273057.1.peg.901	9	487	☐ L-aspartate oxidase (EC 1.4.3.16)
1	Clo.the.AT	1			☐ fig|203119.1.peg.592	1	532	☐ COG0029: Aspartate oxidase
1	Bde.bac.HD	1			☐ fig|264462.1.peg.2866	1	537	☐ L-aspartate oxidase (EC 1.4.3.16)
1	Des.ace.	1			☐ fig|891.1.peg.136	1	532	☐ L-aspartate oxidase (EC 1.4.3.16)
1	Des.ac*0	1			☐ fig|891.1.peg.1159	1	532	☐ L-aspartate oxidase (EC 1.4.3.16)

assign/annotate

-- use **To Compare Region** tool to generate Commentary page as described in II.6
-- in the PEG column check the PEG you intend to re-annotate
--chose "Function" to annotate it from: you can use either the right-most column (**Function**) or **UniProt Function** column. Check the box near the function you want to propagate
-- press assign/annotate button
-- your PEG will be re-annotated to match the source you selected
-- close report page